

ABSTRACT

An object of the invention is to provide a process of producing a compound for forming a slurry under pressure and/or heating, which is quite economical on an industrial scale such that a drying machine is not necessary and that it is possible to reduce energy to be used for drying.

Specifically, the invention is concerned with a process of producing a compound, which includes (A) a reaction step of undergoing reaction in a reactor under a pressure higher than atmospheric pressure and at a boiling point at atmospheric pressure of a reaction medium or higher, to form a compound; (B) a separation step of separating a fixed amount or more of the reaction medium from a slurry containing the compound and the reaction medium under a pressure higher than atmospheric pressure and at a temperature of a boiling point at atmospheric pressure of the reaction medium or higher in a separation device, to obtain a cake having a weight ratio of a cake-attached liquid of not more than 50 % based on the solids content; and (C) a drying step of moving the resulting cake into a compound recovery zone having a pressure lower than the pressure in the separation device and a temperature lower than the temperature in the separation device, thereby evaporating the cake-attached liquid by internal energy released by the movement.